Service Manual

Portable Cassette

RQ-2107A

Portable Cassette Recorder with Built-in Microphone



This is the Service Manual for the following areas.

Only for commedities of page (Only for commedities of page)

(Only for commodities of nonincluded AC Adaptor type)

E For all European areas.
(Only for commodities of included AC Adaptor type)

RQ-2107 MECHANISM SERIES

Specifications

Power requirement: D ... AC; with optional Panasonic AC adaptor

RP-657

 $\ensuremath{\mathbb{E}} \cdots \ensuremath{\mathsf{AC}};$ with included Panasonic AC adaptor

RP-64

Battery; 6V (four-R-14 size dry batteries)

Power consumption; 4W

Car/boat battery; with optional Panasonic car/

boat adaptor RP-917

Motor:

Mechanical governor motor

Power output:

700 mW ... max.

Frequency range:

100 — 7,000 Hz

Operations:

Pushbutton one-touch recording with auto-stop

mechanism and lockable pause control

Tane speed:

4.8 cm/s (1-7/8 ips.)

Program time:

1 hour with C-60 cassette tape

Fast forward and

rewind time: Approx. 90 seconds with C-60 cassette tape

Track system:

2-track monaural recording and playback

Innut:

MIC; sensitivity 0.25 mV/applicable microphone

impedance $200\,\Omega - 600\,\Omega$

Output: Monitor: 8Ω

Speaker: 8 c Dimensions: 14

8 cm (3") PM dynamic speaker

 $14.2 \text{cm}(W) \times 6.5 \text{cm}(H) \times 25.2 \text{cm}(D)$ $[5-5/8"(W) \times 2-1/2"(H) \times 9-7/8"(D)]$

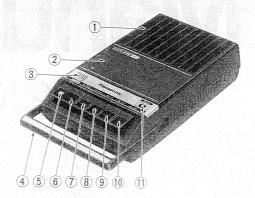
Weight:

1.0 kg (2 lbs, 3 oz), without batteries

Specifications are subject to change without notice.

Panasonic

LOCATION OF CONTROLS AND COMPONENTS



12 13 13 16 16 17

- 1 Built-in speaker
- 2 Cassette compartment cover
- 3 Built-in microphone
- 4 Handle
- ⑤ Record button
- 6 Playback button
- ? Rewind button.
- 8 Fast forward button
- 9 Stop button
- 10 Eject button
- 1 Pause switch
- 12 Battery compartment cover
- (13) DC IN jack
- (14) Monitor jack
- 15 External microphone jack
- 16 Tone control
- 17 Volume control

DISSASSEMBLY INSTRUCTIONS

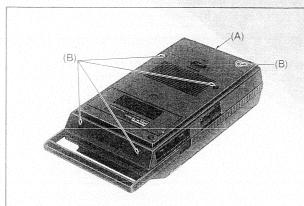
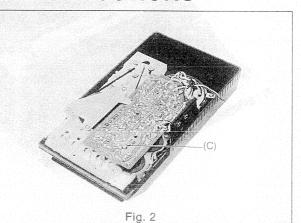
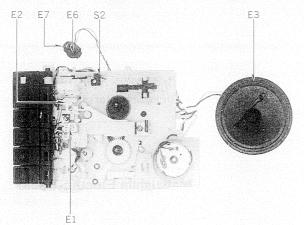


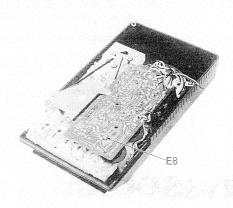
Fig. 1

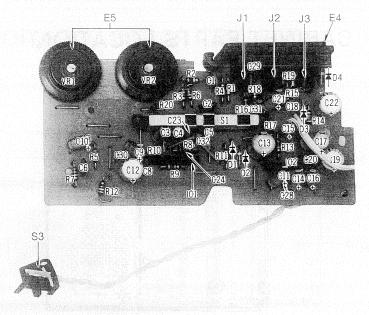


Procedure	To remove ——	Remove —— .	Shown in fig
1	Bottom case	• Battery cover(A) • 5 screws(B)	1
2	P.C.B. and mechanism	• 1 screw · · · · · (C)	2

ELECTRICAL PARTS LOCATION

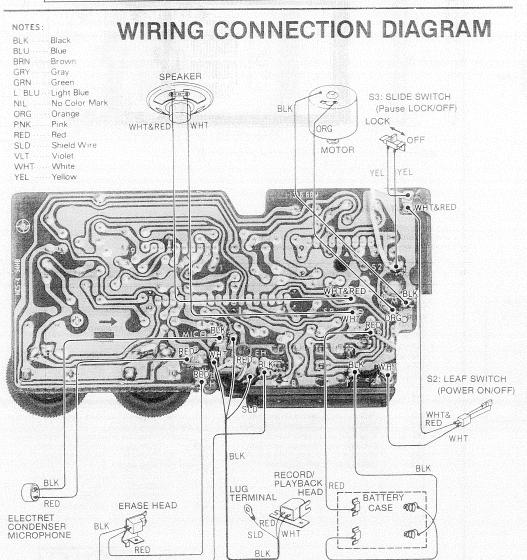


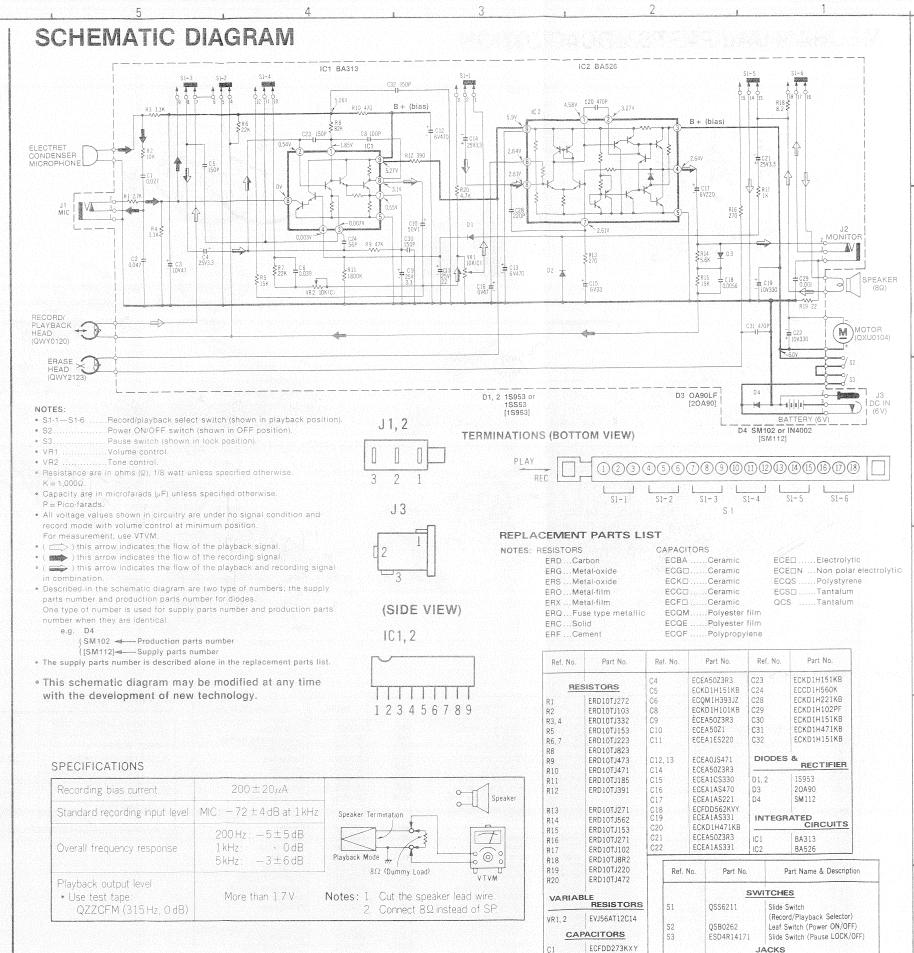




REPLACEMENT PARTS LIST

Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description
	ELECTE	RICAL PARTS	E4 E5	QGJK0061 OGTK0021	Jack Board Volume Knob
E1	OWY0120	Record/Playback Head	E6	WM034Z	Electret Condenser Microphone
E2	QWY2123	Erase Head	E7	QBG1616	Microphone Rubber
E3	EAS8P28SE	Speaker	E8	XTN3+8B	Tapping Screw ⊕3×8





ECOM1H473JZ

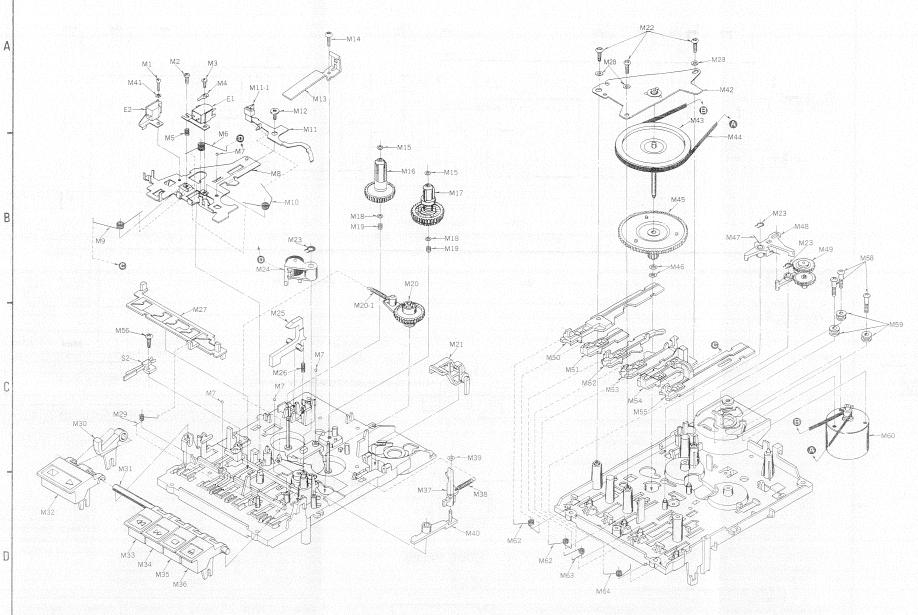
ECEA1AS470

M3 Jack (MIC, MONITOR)

QJA0149

RFD

MECHANICAL PARTS LOCATION



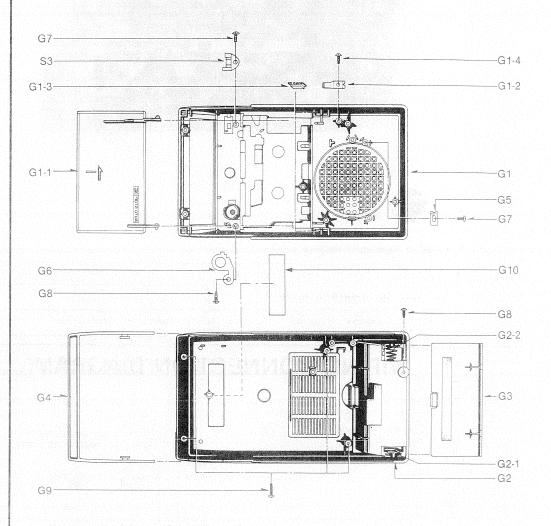
REPLACEMENT PARTS LIST

Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description	
	MECHANICAL PARTS		M20	QXL1181	Idler Lever Assembly	M41	XWA26B	Spring Washer	
M1 M2 M3 M4 M5 M6 M7	XSN26+4 XSN2+8 XSN2+5 QJT0039 QBC1322 QBN1580 QDK1012 QMK1719	Screw ⊕2.6 × 4 Head Adjustment Screw Screw ⊕2 × 5 Lug Terminal Head Spring Pressure Roller Spring Steel Ball 2.5 Head Base Plate	M20-1 M21 M22 M23 M24 M25 M26 M27	QBT1713 QML3311 XTN3+10B XUB4FT QXL1184 QML3308 QBC1315 QXR0395	Record Spring Cassette-up Lever Tapping Screw $\oplus 3 \times 10$ Stop Ring 4ϕ Pressure Roller Lever Assembly Erase Safety Lever Erase Safety Lever Spring Lock Plate Assembly	M42 M43 M44 M45 M46 M47 M48	QXH0279 QXF0136 QDB0219 QDG1140 QBJ3220 QBN1582 QML3304	Flywheel Retainer Assembly Flywheel Assembly Flywheel Belt Gear Pulley Washer Fast Wind Lever Spring Fast Wind Lever-B	
M9 M10	QBN1581 QBN1586	Base Plate Spring Auto-Stop Detect Spring	M28 M29	XWG3 QBN1587	Washer Lock Plate Spring	M49 M50 M51	QXL1186 QMR1661 QMR1767	Fast Wind Lever-A Assembly Eject Rod Stop Rod	
M11 M11-1 M12 M13	QXL1183 QBJ1538 QHQ1253 QBP1798	Auto-Stop Detect Lever Assembly Detecting Piece Step Screw Base Plate Retainer Spring	M30 M31 M32 M33	QG01440 QMN2322 QG01435 QG01437	Record Button Button Shaft Playback Button Rewind Button	M52 M53 M54 M55	QMR1659 QMR1658 QMR1656 QXR0386	Fast Wind Rod Rewind Rod Playback Rod Record Rod Assembly	
M14 M15 M16 M17	XTN3+8B QBW2008 QDR1121 QXD0090	Screw ⊕3×8 Snap Washer Supply Reel Table Assembly Takeup Reel Table Assembly	M34 M35 M36 M37	QG01438 QG01433 QG01439 QML3307	Fast Forward Button Stop Button Eject Button Auto-Stop Driving Pawl	M56 M58 M59	XTN26+8B QHQ1309 QBG1420	Tapping Screw ⊕2.6×8 Step Screw Motor Cushion	
M18 M19	QBJ3224 QBC1272	Washer Back Tension Spring	M38 M39 M40	QBT1846 QBW2046 QML3305	Auto-Stop Spring Washer Auto-Stop Driving Lever	M60 M62 M63 M64	QXU0111 QBN1583 QBN1584 QBN1585	Motor Assembly(with Motor Pulley) Rod Release Spring Playback Rod Spring Record Rod Spring	

SPECIFICATIONS

Pressure of pressure roller	390±60g
Takeup tension * Use cassette torque meter · · · · QZZSRKCT	50±20g
Wow and flutter: JIS * Use test tape QZZCWAT	Less than 0.4% (RMS)

CABINET PARTS LOCATION



REPLACEMENT PARTS LIST

Important safety notice
Components identified by \triangle mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description
	CABIN	JET PARTS		ACC	ESSORIES
G1 G1-1 G1-2 G1-3 G1-4 G2 G2-1 G2-2 G3 G4	QYM0581W QKFK0039 QBP1552 QBJ1338 XTM3+8B QYM4R0859K QJB0111 QBN8007 QYFK0077 QYFK0077	Main Case Assembly Cassette Lid Spring Cassette Lid Holder Tapping Screw ⊕3×8 Bottom Case Assembly Battery Terminal Battery Spring Battery Cover Assembly Handle Assembly	*For all (Only fine for all (Onl	QQT4R3325 European areas. or commodities of l RP64E European areas.	Instruction Book non-included AC Adaptor type) " included AC Adaptor type) AC Adaptor ncluded AC Adaptor type) ncluded AC Adaptor type)
		Tranule Assembly		PA	CKINGS
G5 G6 G7 G8 G9 G10	QKT1172 QMF2105 XTN3+6B XTN3+8B XTN3+16B QGS4R2774	Speaker Holding Metal Microphone Holding Plate Tapping Screw ⊕3×6 Tapping Screw ⊕3×8 Tapping Screw ⊕3×16 Main Name Plate	#For all (Only for P2 P3 E #For all	QPCK0008 QPA4R0694 European areas.	Inside Carton non-included AC Adaptor type) Poly Sheet (for UNIT) Pad (for AC Adaptor) ncluded AC Adaptor type) Pad Cushion Poly Bag (for UNIT)